

0701011W01.ST25.txt
SEQUENCE LISTING

<110> Kureha Chemical Industry Company Limited

MUKAIDA, Naofumi

FUJII, Chifumi

<120> Polypeptide associated with hepatocellular carcinoma, polynucleotide encoding the polypeptide and RNA molecule suppressing the polypeptide expression

<130> 0701011W01

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 326

<212> PRT

<213> Homo sapiens

<400> 1

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1 5 10 15

Gly Val Asp His Leu Pro Val Lys Ile Leu Gln Pro Ala Lys Ala Asp
20 25 30

Lys Glu Ser Phe Glu Lys Ala Tyr Gln Val Gly Ala Val Leu Gly Ser
35 40 45

Gly Gly Phe Gly Thr Val Tyr Ala Gly Ser Arg Ile Ala Asp Gly Leu
50 55 60

Pro Val Ala Val Lys His Val Val Lys Glu Arg Val Thr Glu Trp Gly
65 70 75 80

Ser Leu Gly Gly Ala Thr Val Pro Leu Glu Val Val Leu Leu Arg Lys
85 90 95

0701011w01.ST25.txt

Val Gly Ala Ala Gly Gly Ala Arg Gly Val Ile Arg Leu Leu Asp Trp
 100 105 110
 Phe Glu Arg Pro Asp Gly Phe Leu Leu Val Leu Glu Arg Pro Glu Pro
 115 120 125
 Ala Gln Asp Leu Phe Asp Phe Ile Thr Glu Arg Gly Ala Leu Asp Glu
 130 135 140
 Pro Leu Ala Arg Arg Phe Phe Ala Gln Val Leu Ala Ala Val Arg His
 145 150 155 160
 Cys His Ser Cys Gly Val Val His Arg Asp Ile Lys Asp Glu Asn Leu
 165 170 175
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 180 185 190
 Gly Ala Leu Leu Lys Asp Thr Val Tyr Thr Asp Phe Asp Gly Thr Arg
 195 200 205
 Val Tyr Ser Pro Pro Glu Trp Ile Arg Tyr His Arg Tyr His Gly Arg
 210 215 220
 Ser Ala Thr Val Trp Ser Leu Gly Val Leu Leu Tyr Asp Met Val Cys
 225 230 235 240
 Gly Asp Ile Pro Phe Glu Gln Asp Glu Glu Ile Leu Arg Gly Arg Leu
 245 250 255
 Leu Phe Arg Arg Arg Val Ser Pro Glu Cys Gln Gln Leu Ile Arg Trp
 260 265 270
 Cys Leu Ser Leu Arg Pro Ser Glu Arg Pro Ser Leu Asp Gln Ile Ala
 275 280 285
 Ala His Pro Trp Met Leu Gly Ala Asp Gly Gly Ala Pro Glu Ser Cys
 290 295 300
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0701011W01.ST25.txt

<211> 2392

<212> DNA

<213> Homo sapiens

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0701011W01.ST25.txt

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<213> Artificial sequence

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<223> Pim-3 sense primer

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<212> DNA

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<223> Pim-3 antisense primer

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<220>

<223> GAPDH sense prime

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<210> 6
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 <212> DNA
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<220>

<223> GAPDH antisense primer

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20

<210> 7
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<223> Probe used in first screening of hPim-3

<400> 7
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20

<210> 8
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 <213> Artificial sequence

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<223> Epitop used in the production of antibody to hPim-3 polypeptide

<400> 8

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1 5 10 15

Ala Lys Ala

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<211> 21

<212> DNA

<213> Artificial sequence

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<223> Targeted mRNA

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21

<210> 10

<211> 21

<212> RNA

<213> Artificial sequence

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<223> siRNA in example 9

<400> 10

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21

<210> 11

<211> 19

<212> RNA

<213> Artificial sequence

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0701011w01.ST25.txt

<223> Random RNA fragment

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19